



Cypso Academy - Software Engineering (Course Content)

01. Java Fundamental Module.

Subjects	Exams	Price
Java Fundamental	Coursework & viva	15000.00 /-
Database Management		
Java OOP		
Java-FX Desktop Application	Coursework & viva	

02. Java Advance Web Module.

Subjects	Exams	Price
Hibernate	Coursework & viva	15000.00 /-
Spring Boot	Coursework & viva	
Spring Security		

03. Front-End Module.

Subjects	Exams	Price
Web History		15000.00 /-
HTML / CSS / JavaScript	Coursework & viva	
React.js	Coursework & viva	
Express.Js		
MongoDB		

01. Java Fundamental Module.

❖ Java Fundamental

- java history
- setup java
- java main method
- java variable - stack & heap
- data type
- string concatenation
- loops
- if else
- switch
- Array - task (ArrayList, List, HasMap)
- Algorithm
- Method
- Casting

❖ Database Management

- Setup MySQL
- MySQL Basic

- ER Diagram
- usecase Diagram
- ❖ Java OOP
 - what is oop
 - setup IntelliJ idea
 - what is class
 - what is object
 - oop concept
 - access modifier
 - garbage collector
 - exception handling
- ❖ Java-FX Desktop Application
 - software design pattern
 - JavaFX
 - database Connection

02. Java Advance Web Module.

- ❖ Hibernate
 - What is Hibernate
- ❖ Spring Boot
 - What is Spring Boot
 - What is Maven
 - What is Dependency
 - What is Application Property
 - Setup Postman
 - HTTP Methods
 - Connect Database Using Application Property
 - Create Web Back-End API
- ❖ Spring Security
 - What is Spring Security
 - JWT Token
 - Create API

03. Front-End Module.

❖ Web History

- What is www
- Etc...

❖ HTML / CSS / JavaScript

- What is HTML
- HTML tags
- How to use HTML
- What is CSS
- CSS Selectors
- CSS Transaction
- CSS Animation
- What is Responsive Design
- CSS Media Quarry
- What is JavaScript
- JavaScript
- JQuery

❖ React.js

- What is Nodejs
- What is React.JS
- What is JSX
- React Hooks
- React props
- Axios

❖ Express.Js

- What is Express.Js
- Create Simple API

❖ MongoDB

- What is MongoDB
- Connect Database For API

